

# Crossians Institute of Collaborative Research on Sustainable Development (CICRSD)

**HOLY CROSS COLLEGE (Autonomous)  
&  
SOCIETY FOR REPRODUCTIVE BIOLOGY &  
COMPARATIVE ENDOCRINOLOGY (SRBCE)**

*International Symposium on  
Reproductive and Endocrine Biomedicine &  
The Satellite Meeting of SRBCE*

### *Speakers*

Prof T. Shivanandappa, Prof Oommen V. Oommen, Dr. S. Indu, Dr. ArulAnandh,  
Prof. B. Senthil Kumaran, Prof. S. Thameem Dheen, Prof.Suresh Yenugu,  
Dr. Pradeep Kumar, Dr. G. Malini Laloraya, Dr. V. Devkar Ranjitsinh, Dr. B. Ravishankar,  
Dr. Seema Rai, Dr. V. R. Ravi, Dr. R. Vidya, Dr. M. Natesh Prabhu, Dr. P. Kanagaraj,  
Dr. R. Satish, Dr. S. Winkins Santhosh, Dr. Vidudhalai R. Regina, Dr. S. Ramesh,  
Dr. G. Dhanavathy, Dr. Arivalagan Pugazhendhi

*March 11 – 13, 2020 at Our Lady's Hall*



**Holy Cross College (Autonomous)**

**College With Potential For Excellence  
Nationally Accredited (3<sup>rd</sup> Cycle) With 'A' Grade By NAAC  
Affiliated To Bharathidasan University  
Tiruchirappalli, Tamilnadu, India**

# HOLY CROSS COLLEGE (AUTONOMOUS) TIRUCHIRAPPALLI-2

Affiliated to Bharathidasan University  
Nationally Accredited (3<sup>rd</sup> cycle) with 'A' grade by NAAC  
College with Potential for Excellence  
DST-FIST (Botany, Chemistry, Mathematics, Physics, Zoology)  
DBT STAR College Scheme (Botany, Chemistry, Physics & Zoology)  
DBT-BIF Center (Bioinformatics)



**SOCIETY FOR REPRODUCTIVE BIOLOGY  
AND  
COMPARATIVE ENDOCRINOLOGY**

[www.srbce.org](http://www.srbce.org)

**PATRON**

**Dr. (Sr). NIRANJANA ANTHONISAMY**

**Secretary**

*Holy Cross College (Autonomous), Tiruchirappalli-620 002*

**Dr. (Sr). CHRISTINA BRIDGET A,**

**Principal**

*Holy Cross College (Autonomous), Tiruchirappalli-620 002*

**CONVENOR**

**Dr. M A AKBARSHA**

**Editor-in-Chief, Journal of Endocrinology and Reproduction (JER) of SRBCE  
Biomedical Scientist & Research Coordinator**

*National College (Autonomous)*

*Tiruchirappalli-620 001*

**ORGANIZING SECRETARY**

**Dr. HORNE IONA AVERAL**

**Dean of Science, Director CICSRD**

**Associate Professor, Department of Zoology**

*Holy Cross College (Autonomous), Tiruchirappalli-620 002*

**CO-ORGANIZING SECRETARIES**

**Dr B KADALMANI**

**Assistant Professor**

**Department of Animal Science**

*Bharathidasan University Tiruchirappalli – 620 024*

&

**Dr. RAJALAKSHMI M**

**Assistant Director, CICSRD**

**Assistant Professor in Biotechnology, Department of Zoology**

**Co-ordinator, Department of Biotechnology and Bioinformatics**

*Holy Cross College (Autonomous), Tiruchirappalli-620 002*

**ORGANIZING MEMBERS**

**Faculty of CICSRD, PG & Research Departments of Zoology and Biotechnology**

*Holy Cross College (Autonomous), Tiruchirappalli-620 002*

**ADVISORY COMMITTEE**

**Prof. PERA GOVINDARAJULU, Patron, SRBCE**

**Prof. KALIWAL, B.B. President, SRBCE**

**Prof. MICHAEL ARULDHAS, M Secretary, SRBCE**

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**Dr. G. ARCHUNAN, BDU, Trichy**

**Prof. PARTHASARATHY, S. BDU, Trichy**

**Dr. R. THIRUMURUGAN, BDU, Trichy**

## INSTITUTION

Holy Cross College (Autonomous) affiliated to Bharathidasan University, Tiruchirappalli, is a highly reputed Arts and Science College for Women in the State of Tamil Nadu. Situated at the heart of “The Rock City” on the banks of River Cauvery, Holy Cross College has a unique history of academic excellence. It is a Institution established in 1923 when higher education for women was considered almost a transgression. It has been in forefront of women's education for 96 years and is marching towards the centenary. In keeping with its mission, the college admits a number of students from the socially and economically weaker strata of the society, irrespective of the religion and caste. It is one of the oldest colleges in South India and is affiliated to Bharathidasan University. The College is administered by Sisters of Chavanod, Tiruchirappalli Province. The College became Second Grade College in 1928, Post-Graduate College in 1964 and attained Autonomous Status in 1987 under the Bharathidasan University. It was accredited by NAAC in 1999 with 5-stars and re-accredited in 2005 with 'A' grade and nationally accredited (3<sup>rd</sup> Cycle) in 2012 with 'A' grade and secured 3.5 on 4.0 scale by NAAC. The college was recognized by UGC as 'College with Potential for Excellence' in October 2011 and the CPE status has been extended till 2022. As per NIRF by MHRD, the College secured 26<sup>th</sup> rank for the year 2017 and 42<sup>th</sup> rank for the year 2018.

## SRBCE

The SRBCE, a registered scientific society in India, had its genesis at the Department of Endocrinology, Dr. ALM Post-Graduate Institute of Basic Medical Sciences, University of Madras, Taramani Campus, Chennai- 600 113 in April 1980 under the inspiration and leadership of Prof. P. Govindarajulu. The SRBCE is one of the most regular, vibrant scientific societies in India with a regular annual meet in different parts of the country. The annual meet provides a platform for all scientists working in the fields of Endocrinology and Reproductive Biology to exchange ideas, update their knowledge and interact freely. The Society has 469 life members and 20 annual members on its role. For further details : [www.srbce.org](http://www.srbce.org)

## TIRUCHIRAPPALLI

Tiruchirappalli is situated at the center of Tamilnadu on the banks of River Cauvery. The Rock City is famous for the Thayumanavar Temple and Renganatha Swamy Temple at Srirangam, Tiruchirappalli. There is the famous Mariamman Temple at Samayapuram just 15km north of Tiruchirappalli and Murugan Temple at Vayalur, about 10km west of Tiruchirappalli. The city accommodates National Institute of Technology, Bharathidasan University, about 10 Engineering Colleges, one Medical College, Indian Institute of Management and more than 10 Arts and Science Colleges. The Ordnance Factory and Bharat Heavy Electricals Limited (BHEL) are the major industries of Tiruchirappalli. Mukkombu and Grand Anicut on Cauvery are the tourist places.

## TRANSPORT AND ACCESS

The city of Tiruchirappalli (Trichy, by short) is connected from all parts of the country by bus, train and air.

## THE SYMPOSIUM

The symposium will be organized with lead lectures from experts and senior scientists in the areas of

- Endocrinology,
  - Reproductive Biology,
  - Biomedicine,
  - Regenerative Medicine,
  - Animal Alternatives in Biomedicine,
  - Nano-medicine,
  - Clinical and Medicinal Chemistry,
  - Bioinformatics
- followed by open papers (both oral and posters) by young research scholars, giving ample scope for interaction. To encourage promising young researchers six prizes, three each for oral and poster presentations, will be awarded.

## OBJECTIVES OF THE SYMPOSIUM

1. To bring together scientists and research scholars working in the field of Reproductive and Endocrine Biomedicine in one platform to review the progress made in the subject of research and to evolve strategies and directions for research in future.
2. To motivate youngsters by providing a platform to make presentations and develop confidence.
3. To expose the upcoming researchers to the latest tools in research in this area.
4. To find possibilities for translating the research outcomes into products and /or processes for human and animal welfare with special reference to health and health care management.
5. Application of Biotechnology, Bioinformatics and Nanotechnology in Biomedical Sciences

## CALL FOR ABSTRACTS

Abstracts for oral and poster presentations are invited in the above mentioned themes. Abstract of the papers (about 250 words) should be prepared in MS word 6.0 (or any compatible version) and sent to the Organizing Secretary by e-mail [sreb2020@gmail.com](mailto:sreb2020@gmail.com) as file attachment. Name of the presenting author must be in bold. The abstract should have aim, objective, background, results, discussion and conclusion to understand the significance of the work.

Abstracts will be scrutinized by the review panel and the acceptance will be intimated to the presenting author. Subsequent to this circular, all future correspondence, unless and otherwise required, will be through e-mail only. Abstracts of registered participants alone will be printed.

**PROGRAMME****DAY - 1****March 11, 2020**

3.00p.m	:	Registration
4.00p.m	:	Inauguration
Invocation	:	
Welcome Note	:	<b>Dr. Horne Iona Averal</b> , Organizing Secretary
SRBCE History	:	<b>Prof Pera Govindarajulu</b> , Patron SRBCE
SRBCE Activities	:	<b>Prof B B Kaliwal</b> , President, SRBCE
Thematic Introduction	:	<b>Prof M Michael Aruldas</b> , Secretary, SRBCE
Presidential Address	:	
Inaugural Address	:	
Felicitation	:	<b>Rev. Sr. Niranjana Anthonisamy</b> , Secretary, Holy Cross College, Trichy <b>Rev. Dr. (Sr.) Christina Bridget. A.</b> , Principal, Holy Cross College, Trichy
Vote of Thanks	:	<b>Dr. B Kadalmani</b> , Co-Organizing Secretary
5.00p.m	:	Key note address
6.00p.m	:	Cultural Programme- Holy Cross College Cultural Team
7.00 pm	:	Dinner

**Day 2 - March 12, 2020**

8.55a.m	:	Invocation
9.00a.m	:	Plenary Lecture I
9.30a.m	:	Plenary Lecture II
10.00a.m	:	Plenary Lecture III
10.30a.m	:	Symposium Lecture I
10.50a.m	:	Symposium Lecture II
11.10a.m	:	Symposium Lecture III
11.30a.m	:	Tea Break
11.45a.m	:	Plenary Lecture IV
12.15p.m	:	Symposium Lecture IV
12.35 p m	:	Symposium Lecture V
12.55p.m	:	Lunch
2.00p.m	:	Competitive Oral Presentations-Slot-I
4.00p.m	:	Tea Break
4.15p.m	:	Competitive Oral Presentations-Slot-II
7.00p.m	:	Dinner

### DAY 3 - MARCH 13, 2020

8.55a.m	: Invocation	9.00a.m	: Plenary Lecture V
9.30a.m	: Plenary Lecture VI	10.00a.m	: Plenary Lecture VII
10.30a.m	: Symposium Lecture VI	10.50a.m	: Symposium Lecture VII
11.10a.m	: Symposium Lecture VIII	11.30a.m	: Tea Break
11.45a.m	: Plenary Lecture VIII	12.15p.m	: Symposium Lecture IX
12.35p.m	: Symposium Lecture X	12.55p.m	: Lunch
2.00p.m	: Competitive Poster Presentations	3.30p.m	: Tea Break
4.00p.m	: Valediction Invocation		

- Welcome Note : **Dr. Sujatha Ilangoan**  
Dean of Extension, Asst. Professor of Zoology, HCC, Trichy
- Valedictory Address : **Dr. M Krishnan**, Vice-Chancellor  
Madurai Kamaraj University, Madurai
- ⇨ Prize distribution  
⇨ Symposium Report
- Vote of Thanks : **Dr. M Rajalakshmi**  
Co-Organizing Secretary

*We cordially invite you to take part in the deliberations*

**Secretary & Principal, Faculty, CICSRD,  
Holy Cross College & Members, SRBCE**

### DATES

Last date for submission of abstracts	-	<b>29<sup>th</sup> February, 2020</b>
Last date for registration	-	<b>4<sup>th</sup> March, 2020</b>
Conference	-	<b>11-13<sup>th</sup> March, 2020</b>

**REGISTRATION FEE:** For students and non-stipendiary scholars - Rs.2,500/-  
For Scientists / Faculty, scholars with fellowship - Rs.3,000/-  
For Accompanying Person - Rs. 2,500/- (No Symposium kit)

#### **For On-line Registration**

Beneficiary Name: **Organizing Secretary International Conference**  
A/C. No.30843585022, IFS Code : SBIN0001312 State Bank of India Town Branch  
DD on behalf of - Organizing Secretary International Conference

Transaction details should be Intimated through e-mail

(Modest accommodation will be provided. Anyone who needs  
Star Hotel accommodation may book themselves. We can assist, if needed).

### **For further information contact**

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